ertant Copper and Placer Strikes Mutte's July Output of Copper ... Mckinney's Cleanup From Old Dumps

ced such activity in the the mining industry, except of g the early day placer \$35,000,000 was won from Last (now Main street). sirikes have been made, conthat insure the development of from a copper standpoint and sh rich strikes and handsome yields

Muth and N. J. Gould of Helena ed during the week at one of the local a gold pan and several bottles of nugacer gold of a total value of \$3,500 extracted from a patch of ground syndicate mined the ground. purposes to operate on a far this year's cleanup will amount nd to insure operation for fifteen cars, and an interesting feature ery is that for years prospectors er the ground in search of quartz, ated rather high up and away

ance of the Hoffman brothers of who with N. H. Graemling and other copper Company in Colorado that property is to be sunk to The Salt Lake men were stories of rich copper strikes the shaft had been in ore from the s to the sixty foot level, and they

d they at once sanctioned the letting will be made until the 500 foot level ore taken from the shaft has alexpense of driving it, and local he former Heinze expert that he will

te and Helena districts to learn that zine from the ores has proved Because of the difficulty in carrying zinc, a characteristic tte and Helena especially, many propereted and abandoned. J. L. Malm of Montana Electrolytic Company secured concentrator at Corbin and has been aking experiments, with the result that last big zine ingot was secured, the proof ore treated for this purpose. Other were tried with the same result ning men declare this process will work

A strike of rioh copper ore is reported in the Eva May mine, south of the city, and in se development years ago upward of its. The vein is said to be large and ell formed. The strike was made several weeks ago, but has been kept from the public n order that the Eastern stockholders in the company might make an inspection. The find was made at the 1,200 level and assays

ena owners \$8 a pound twenty years ago, s being rejuvenated by Basin men who have

Deposits of high grade scheelite carrying a and in the Marysville district, northwest e Jardine district, which the national Govnent is now investigating, in that instead dhaving a resinous appearance it is of a pure white crystalline cast. Tests show that it

ite crystalline cast. Tests show that it ries a very high percentage of tungstic oxide. It has an immense specific gravity, ngsten finds its chief uses in the hardening steel. So attractive is the discovery that e Tungsten Exploration and Development mpany of Butte, formed for the purpose of erating in the Jardine field, has taken a nd on the Marysville property. The receipts at the United States assay teen this city for the month of July amount \$104,000, practically all in gold. Of this count Montana contributed \$95,000. Fergus into the sachieved first place again, with dison second and Lewis and Clark third, reafter the Bald Butte gold will be desited in the assay office instead of being piped to New York, and this will place wis and clark in second, if not first, place, the Montana Copper Company, operating the Spokane Hills east of Helena, which is need by Butte and Helena investors, will gin shipments within a week or two now, evens growing wider and richer with depth. by Butte and Helena investors, will shipments within a week or two now, ins growing wider and richer with depth. Copper-Silver Mining Company, opering Scratch Gravel, five miles north of ty, has reached a depth of 320 feet and ting a station. The indications are enging, and the promoters and backers company are more than satisfied that will develop another Lexington (adjoinables or rich that they were ad by team and steamer to Swansea, in the early days, and at a handsome

Aug. 8.—The North Butte Exlopper Company has completed
liation of its permanent hoisting
and is now prosecuting the shaft
hair drills and cage. The comaline surface equipment and is in
to make rapid progress in sinking,
is about 155 feet deep and is in
st kind of rock. Up to last week
try plant did the work. As there
g surface vein showing about 50
of the shaft it is the intention
prany to crosscut at a depth of
explore the vein. Unless the vein
rich at the 300 no ore will be exd the shaft will be sunk 1,000 feet

Continental Copper Mining secompleted the surveys for the of its claims on the mountain the city. The company owns are ready for patent. The cated on what the United States are yell the "mother lode" listrict, and which many mining the patent of the copper deposit in Montana, which is the copper deposit in Montana, which is the copper deposit in Montana. ins in the Continental ground eins in the Continental ground de on the surface and runs for ough the Maryland and Alabama her vein 45 feet wide runs ferorgia and Louisiana claims, it vein shows on the White Pine The best showing is on the Alabama, on which two shafts nk, one 66 feet deep and the deep. At a depth of 30 to 50 r shaft penetrated an ore body and carrying an average assay.

Suite mines produced 27,157,895 per from about 413,385 tons of the daily output of 13,385 tons of the daily output of 13,395 tons of the daily output of the Buttemine Healey mine of the Buttemine Healey and the Minnie Healey and the Minnie Healey and the mines to daily output of the Minnie Healey and the mines occasioned by the shutdown reperties. The average produced different companies during as follows:

Lbs. of

27,157,395

MINE PUMPS.

THE SLOGAN OF THE CAMERON-

ER THE GRANDEST THING." CAMERON, in use the world over, and con the the most serviceable, durable and effect CAMPRON STEAM PUMP WORKS. Foot East 23d St., New York City, U. S. A.

The reports of discoveries made by the Davis-Daly Estates Company are conflicting. Announcements of big strikes are made in the East, but in Butte some of the stories have been denied. One of the best and probably most important strikes that have been made in Davis-Daly ground was made during the last week by leasees in the Lizzie claim, situated south and east of the Smokehouse. At a depth of 100 feet a fine copper vein was cross cut, two feet of it being first class ore. The vein has all the characteristics of the big veins of the Butte district, and it is felt to be certain that the vein found will prove of a permanent and extensive character. The leasees have permission to mine to a depth of 300 feet.

The Farrell Mining Company, which is con-

lessees have permission to mine to a depth of 300 feet.

The Farrell Mining Company, which is controlled by the same interests as those in the Alliance Copper Company, has struck a six foot vein of copper ore in the cross cut from the 200 foot level of the Alliance, through which shaft the Farrell is working. The ore is of a low grade, but indicates that a better quality of ore may be found at greater depth.

Lessees working in the old Moulton mine near Walkerville, owned by W. A. Clark, have struck a rich shoot of silver-gold ore on one of the lower levels. Prior to 1893 the Moulton, as well as the Alice, which is located on the same lode, was a big producer of silver, but since Clark ceased operating it the Moulton has only occasionally been worked by lessees.

The Pittaburg and Montana Company has

Moulton has only occasionally becames, leasees.

The Pittaburg and Montana Company has received a 25 driil compressor which is now being installed at the mine. It will furnish power for the lower levels of the property and will enable the company to prosecute development work and mining more energetically. The lowest level of the mine is 1,400 feet deep.

IN THE BLACK BILLS.

DEADWOOD, S. D., Aug. 7.—S. R. McKinney has made his stake. When he came here at the first of the year he was little known. He went to the Golden Reward management and secured a contract for fair consideration to be allowed to clean up the dumps and around the old smelter. This smelter has been idle for several years, and the contract looked like a little easy money for the company.

has been idle for several years, and the contract looked like a little easy money for the company.

Then McKinney got busy. He put in a couple of Wilfley tables and a jig and began to concentrate the old mattes and slag. These proved far richer than supposed, for the earlier day method was too coarse for fine extraction. McKinney shipped to Omaha the concentrates and at intervals ever since he began work at the smelter has made shipments to the smelter in Omaha. The result is that he has already cleaned up over \$40,000 and is not yet through. Investigation showed that McKinney travels around the West and always selects smelters that have been idle some time for his operations, nearly always making good money.

CUSTER, S. D., Aug. 7.—The Westinghouse Electric and Manufacturing Company continues to pick up all the available mica ground in the Southern Hilts and is fast acquiring a large acreage. The latest purchase is the King group of four claims, situated six miles northeast of here, from Charles Baty and Dan McGonigal. The consideration was \$3,000 and the company will at once put men and machinery at work on the group. The mica is sorted here and then shipped to the company's factory at Denver before its final shipment East for use in the Westinghouse plants at Pittsburg, Pa.

The work of unwatering the Holy Terror mine at Keystone has again been resumed after considerable difficulty with floating timbers in the shaft. Much retimbering has been accomplished during the week and the iron skips were replaced with which the mine is being unwatered. The water is now in the 500 foot level and in a few weeks will be cleared entirely.

A new ore ledge has just been encountered by the Maripose Mining fourners while devented by the Maripose Mining fourners.

in the 500 foot level and in a few weeks will be cleared entirely.

A new ore ledge has just been encountered by the Mariposa Mining Company while developing its property near Mystic, on Slate Creek. Since the installation of the new steam plant and air compresser the main tunnel has been driven rapidly and is now in 650 feet. At 625 feet in from the mouth the discovery was made. Supt. John Wise ran on a blind ledge of quartz eight feet wide at the point of contact which assayed \$4.80 in gold. It is expected that the main shoot of this ore ledge will be found when the tunnel has reached the 750 foot depth. The ore is free milling.

In Pennington county there is consider-

has reached the 750 foot depth. The ore is free milling.

In Pennington county there is considerable activity at present and more men are at work than usual. George Karr has just encountered what promises to prove a rich strike on the Joe Dollar property near Keystone. He has been working a small force and in drifting this week opened up a shoot of very coarse gold ore. The gold is free and the rock is liberally sprinkled with the metal. The size of the strike will be determined within the next few days with more development.

Prof. C. C. O'Hara, mineralogist and geologist at the State School of Mines at Rapid City is now in the neighborhood of Custer securing data for the annual report of the school on Black Hills mining.

The engine and boiler house of the new thirty stamp mill being erected on Elk Creek by the Lucky Strike Gold Mining Company is now completed and the principal work remaining is to build a 400 foot tramway to the mill. It is believed that the mill will be in operation by October 1. A large force of miners is kept busy developing the ore reserves, which are showing up well, and the bins will be full before the mill is completed.

All of the two carloads of ore already taken out. The statement is made that the company has practically a mountain of high grade ore on which to work.

To its half dozen shareholders the Gemini corporations in the State, a few days ago distributed a dividend of \$10 a share on its 5,000 shares of stock. This is the second \$10 to dividend that has come out of the Gemini this year. It is regarded as one of the greatest bonanzas in the Tintic district. All of the Tintic mines are enjoying a boom.

NEVADA.

PIOCHE, Aug. 7.—William A. Farish, a well known mining engineer, visited Pioche last week and made a careful examination of some of the mines here. "I am not at liberty to state just what my mission here is." said Mr. Farish, "but there is no harm in stating that Pioche is just reaching the point where it is sure to shine again in the mining world. New discoveries are reserves, which are showing up well, and the bins will be full before the mill is completed.

COLORADO. COLORADO.

COLORADO SPRINGS, Aug. 8.—The July Cripple Creek output was 52,186 tons, of \$1,180,924.50 gross bullion value. The Golden Cycle mill of Colorado City, which recently entered the open market, led with 21,300 tons of \$23 average value. The United States Reduction and Refining Company, for several years leader, dropped to one-third its regular tonnage—9,860, the average value being \$24. The totals, \$489,900 and \$230,400 respectively, or \$720,300, represent greater values than all other mills combined. The Portland, with 8,000 tons of \$24 average value, is the only competitor.

s,000 tons of \$24 average value, is the only competitor.

The Ironclad cyanide plant treated 3,410 tons of \$2.25 average value, the Phœnix 1,500 tons of \$2 value, the Vindicator experimental plant 1,000 tons of \$3 value. The Isabella's 3,100 tons were worth \$6 each. Smelters treated 4,276 tons of \$52 average value.

The Mine Owners and Operators Association of Cripple Creek at a meeting in Colorado Springs Monday decided to continue its card system policy in use since the settlement of the union war three years ago. The release of Haywood and Moyer has made this step seem necessary. The Leadville mine owners, who dropped the card system a short time ago after adopting it in the troublous times of 1904, have decided to renew it for the same reasons influencing the Cripple Creek owners. Every step will be taken at both camps to forestall the reorganization of unions under the Western Federation of Miners.

The British American Leasing Company, operating on the Dante, Cripple Creek, has connected the new shaft at 275 feet depth with the upraise from the Trait tunnel level. While doing this development work \$30 to \$40 ore was broken from a 12 foot vein. About 20,000 tons were stored in worked out stopes and unused drifts. A large output is now expected. The company has four stockholders and has disbursed \$20,000 in dividends in the last two years.

The Raven Hill Ophir mine, Cripple Creek,

The company has four stockholders and has disbursed \$20,000 in dividends in the last two years.

The Raven Hill Ophir mine, Cripple Creek, owned by Mrs. Annie Cone of Canon City, is shipping six cars of ore weekly, returns from which show \$100 a ton. Occasional shipments reach is to 20 ounces a ton. Ore is coming from the bottom levels. The shaft at 900 feet is reported on an ore body seven to nine feet wide. Sinking on the vein will continue.

The Thompson-Humphreys lease of the Little Clara and Lucky Corner claims of Work and Doctor Jack Pot companies is in \$30 ore. The Modoc mine, also at Cripple Creek, is in a narrow seam carrying 28 to 70 ounces in gold a ton. The four foot yein averages \$100 a ton. Recent heavy rains have exposed a four foot ore body on the property of the Hayden Gold Mining Company, Cripple Creek, after much time and money had been vainly spent. The ore carries \$25 a ton values.

The breast of the level at 265 feet depth in the Kitty Clyde, Idaho Springs, is in an eight inch streak of solid copper-lead ore carrying several hundred dollars values. The ore is identical with that produced in this mine twenty years ago and which carried upward of \$450 a ton. The strike is one of considerable importance.

A shaft being sunk near the east end lines of the Wheatland mine in Trail Run district, Idaho Springs, is in a two foot ore hody at sixty-five feet depth. Samples asay \$41 a ton copper-iron values. Wells Bros. of New York are owners.

New York capital is interested in the Em-

sixty-five feet depth. Samples assay \$41 a ton copper-iron values. Wells Bros. of New York are owners.

New York capital is interested in the Empire fold and Copper Company's properties, Central City. The company has taken hold of the Aduddell mine in Russell district. Heavy production is being made from a new strike in the 400 foot level.

After fifteen years title to the James Williams mines, Cashier, Excelsior, Mountain Top, Monarch and Arna claims, Georgetown, Col., has passed to Mrs. Susan Mitchell. She bought out the other heirs. The property is one of the richest in the Peruvian district, which is attracting attention of prospectors and investors. It will be developed.

The directors of the Crippie Creek Drainage and Tunnel Company will receive new bids for the construction of the tunnel. The hardness of the rock first encountered has continued. The original contractors abandoned the contract, the committee itself relieving them. The bore is 7 by 10 feet, but bids will be received for 15 by 8 also. The runnel is in 300 feet. Bids will be received on sections of 1,000 feet each instead of 15,500 as at first.

The famous Gregory-Bob Tail, Fisk, Cook and Mammoth groups of mines in Gregory district, Central City, Col., which are credited with a gold production approximating \$24,000,000, are to be reopened and developed after a long idleness. The Cook shaft, now down 1,300 feet, will be sunk 200 feet additional, and the Gregory and other veins

will be thoroughly exploited. An output will be maintained aufficiently large to justify increasing the mill capacity to 1,000 tons daily. A plant will be built to manufacture sulphuric acid from pyritic ores. Work will begin this month. Eastern capital is behind the general

cally. A plant will be built to manufacture sulphure acid from pyritic ores. Work will begin this month. Eastern capital is behind the scheme.

The Reliance Gold Dredging Company, which is operating a dredge boat in French Gulch, made a second cleanup this week. The first resulted in a water pail bolding two and a haif gallons being filled with gold. The second is reported to be between \$9,000 and \$19,000. The dredge as it works from bank to bank cuts a swath across the decomposed outcrop of a large vein containing lead, zinc and iron ores. The vein crosses the gulch diagonally. The rich gold bearing gravel, rather than the heavy minerals zinc and lead, are sought. The company has been in operation three years, but has not yet been incorporated.

The Frank flough mine, on Engineer Mountain. Ouray, Col., will be reopened and developed by sinking the shaft and extending laterals. The mine is a famous copper producer. The ore carried 27 per cent. copper, 47 ounces silver and about \$5 gold a ton.

Dr. Wilson, Prof. Graham and Mr. Beeber of Syracuse, N. Y., who are interested in the Torpedo-Ectipse mine, in Sneffee district, Ouray, Col., are inspecting their property. A compressor plant and Leyner drills are being installed to run a 1,000 foot drift along the vein on the lower level. Several raises will be made on the vein. The Union company, which is building a mill on its property in the Ouray, Col., district, will get power from the Telluride Power Company. The mill will be in running order during this month. The ore from the mine is carrying about \$100 a ton values. The building of the mill is quickening development work in the neighborhood.

SALT LARE, Aug. 8.—Consolidation is still the special order in Utah. The announcement is made that a combination between the Northern Light, Chloride Point and Columbia, all on Lion Hill in the Ophir district, had been effected. The new corporation is to be known as the Lion Hill Consolidated Mining Company, with 1,000,000 shares of the per value of \$1. Of the total shares \$25,000 are retained in the treasury.

Another consolidation of the week was that of the West Quincy and Thompson at Park City, It is believed that the combination will result in great economy of operation and a vigorous development campaign is being planned. There is talk, too, of a consolidation of the Naildriver, Wabash and New York, which join one another on Bonanza Flat in the Park City district.

The new smelter of the Lost Packer company was started during the week in full operation and copper gold matte is being run into bars at a lively fate. At the close of the first day's run there were twenty tons of this matte, valued at \$400 a ton, or \$8,000. The smelter has been out of commission since early last full. Is had been in commission only a few hours when the carelessness of an employee resulted in the breaking of a water jacket and the burning out of the furnace. This practically necessitated the rebuilding of the plant. By the time work could be started the season was so far advanced that the road to the mine was impassable. All concerned now are satisfied that the property will soon take rank among the dividend payers.

The Hecla Mining Company of Beaver County is making a very remarkable record. Its first carload of ore was sold during the week on controls showing 1.1 ounces gold, 14 per cent. lead and nineteen ounces silver, an average value of \$56.94 a ton for thirty tons. Another carload is en route from Beaver county to the smelter, and it is said that the values will be very much higher than those of the first carload. Including the cost of the mine buildings, development work and all other expenses the Hecla company has not spent as much money as it will receive from the two carloads of ore already taken out. The statement is made that the company has practically a mountain of high grade ore on which to work.

To its half dozen shareholders the Gemini company, one of the most closely held mining corporations in the State, a few days ago distributed a dividend of \$10 a share on its 5.000 shares of stock. This is the second \$10 dividend that has come out of the Gemini this year. It is regarded as one of the greatest bonanzas in the Tintic district. All of the Tintic mines are enjoying a boom.

and the owners of properties are everywhere doing good work in the line of development."

ROUND MOUNTAIN, Aug. 7.—A great deal of development work is being quietly but diligently prosecuted in this camp and its immediate vicinity. I. C. Popper, manager of the Round Mountain Monster, is on his way to Denver to purchase a compressor and other machinery for his mine. It is his intention to have a thirty ton mill in operation at the earliest possible moment.

MAZUMA, Aug. 7.—The labor troubles in the Seven Trourshs district are over at last and all of the miners have returned to work. Settlement of the strike was effected by an agreement of the operators to pay the men 55 instead of 34 for eight hours work. For more than a month all of the mines and leases have been idle. The settlement of the strike has caused the greatest rejoicing throughout the district. The Mazuma Hills, Kindergarten and others will return to the shipping class within the next few weeks.

MEXICO.

MEXICO.

the district. The Maxuma Hills, Rindergarten and others will return to the shipping class within the next few weeks.

Mexico City, Aug. 5.—A big rush of prospectors is on to the scene of the recent rich copper discovery in the Santa Cruz Mountains. district of Magdalena, State of Sonora. The discovery was made by Edwin Arnold, Mayor of Cananea, while out on a hunting trip. The ore is copper sulpide. The assays run from 60 to 50 per cent. copper, with seven to eleven ounces of gold. Many claims have been taken, adming them being about 5,500 acres of mineral land which was filed upon by Col. W. C. Greene, the copper mining man of New York and Cananea.

The Jimulco mine, situated near Jimulco, State of Coahulla, is producing about eighty tons of rich copper ore daily. The ore is shipped to the smelter at Aguas Calientes. The principal stockholders of the company are O. S. Newell, Otto Koehler and Otto Wahrmund, all of San Antonio.

The Guanajuato Development Company and its subsidiary concern, the Mexican Milling and Transportation Company, are doing extensive development work in the Guanajuato district. The Mexican Milling and Transportation Company will soon begin the work of constructing a railroad thirty-six milesions, which will circle the Guanajuato mining camp, connecting all of the company's own mills as well as the mills of other concerns. These two companies own a controlling interest in a number of rich mines in the district, including the famous Pinguico mine, which now has a monthly output amounting to about \$150,000.

A body of rich ore has been struck in the Santo Domingo mine, owned by the Santo Domingo mine, owned by the Santo Domingo mine, owned by the Santo Domingo Mining Company, and situated in the Hostoripaquitio district, Siake of Jalisco, The ore runs about \$45,000 grams silver and 1,158 grams gold to the ton.

The Mexican-American Exploitation, Mining and Milling Company of New York, which was recently organized with a capital stock of \$2,000.000, has socured options on several promising m

gold. It is said that the company will install new machinery and develop the property. The work of sinking two shafts will be started at once.

The Monterey district is attracting zinc buyers from all parts of the United States, all of the principal American concerns being represented in the district. It is said that tremarkable deposits of zinc are found in the district. The Metallgesel.schaft of Frank-fort-on-the-Main has purchased the mines

REAL ESTATE FOR SALE—QUEENS. | REAL ESTATE FOR SALE—QUEENS. | REALESTATE FOR SALE—LONG ISLAND | REAL ESTATE FOR SALE—LONG ISLAND

ELMHURST HEIGHTS ONLY TEIRTY MINUTES FROM HERALD SQUARE TO-DAY AND WILL SOON BE BUT FIFTEEN MINUTES. BUY NOW AND GET THE BENEFIT OF THE ADVANCE WHICH WILL COME ON COM-BELMONT TUNNEL IN OCTOBER

FINE COLONIAL HOUSES ON EASY TERMS READY FOR OCCUPANCY.
SEND POSTAL FOR PARTICULARS.
BANKERS LAND CORPORATION, 887 MANNATTAN AVENUE.
BROOKLYN. N. Y.

and hacienda, with the railroad connecting, of the Minas Viejas, situated at Guadalupe, about thirty miles south of Monterey. This mine was formerly owned by James Morlan. It was leased by him to the Guggenheim Exploration Company. The zine carbonates were not recognized at that time and ore containing 40 to 50 per cent. zine went to the dump. After the expiration of this company's lease the value of the ore was discovered, and it has been a most valuable property ever since. It became the first heavy shipper of zine ore in the United States.

A wide ledge of silver ore is being uncovered in La Fortuna mine, situated in the San Joaquin Mountains, thirty miles from Nuevas Casas Grandes. This mine is owned by Homer A. Hoyt of New York and associates.

Nuevas Casas Grandes. This mine is owned by Homer A. Hoyt of New York and associates.

A shortage of ore still exists at the Torreon smelter on account of the car shortage. Only seven of the ten furnaces of the smelter are in operation. Many thousands of tons of ore are piled up at shipping points in the States of Chihuahus. Durango, Coahulla and Zacatecas. It is asserted that many of the smaller mine operators will have to shut down unless they can soon move their ores to the smelters. The raitroads say they are making every effort to obtain additional cars.

It is estimated conservatively that the output of ores of the Guanajuato camp now aggregates more than \$5,000,000 in value per month. Practically all of the mines are owned by Americans.

The Victoria Mining Company, which is composed of Americans, has taken over the Victoria mine, situated near Symon, State of Durango. It is said that the ore already shipped from the mine ran from 45 to 60 per cent. lead and one to two kilos silver. The new company is installing machinery and preparing for extensive development work. It is reported that Col. W. C. Greene of New York and associates are negotiating for the purchase of the Palmarejo and Mexican Gold Fields, Ltd., which own the mines, had refused an offer of \$1,500,000 from Col. Greene for the property. It is understood that if the pending deal is made that the mines will be operated by the Greene Gold-Silver Company. The Ocate Mining Company has shipped quantities of high grade ore to the smelter from its San Isador y Anexas mine, situated in the Boco del Cobre district State of Durango. This ore ran seven ounces silver and 12 per cent. Leader of the property of the Durango, a heavy stock-bolder in the Durayito Mining Company, says

This ore ran seven ounces siver and 12 per cent. copper.

J. L. Asinsolo of Durango, a heavy stock-holder in the Durazito Mining Company, says that the company has completed about 500 feet of tunnel in the Durazito mine and that the tunnel will be completed for about 500 feet further. Although the Durazito mine has been worked only about eighteen months, nearly \$100,000 worth of ore has been taken out of it. out of it.

The Dolores Mining Company of Chihuahua recently shipped seventy-two bars of silver, valued at \$133,000, to Philadelphia.

LAKE SUPERIOR REGION CALUMET, Mich., Aug. 10.—The Breiting interests of Marquette are soon to start mining operations at the Humbolt mine, on the Marquette iron range. James F. Foley of the Duluth, South Shore and Atlantic Railway Company, visited the property to look over the two tracks leading to the mine. The tracks will be put in condition for use as soon as possible, and when they are ready shipments will be started from a stock pile containing about 2,000 tons of second class ore.

shipments will be started from a stock pile containing about 2,000 tons of second class ore.

There are three shafts at the Humbolt, but it is not anticipated that any one of them will be found in very good condition. Capt. Foley says that the timber, so far as it can be seen from the top of the two working shafts, is in bad condition and will have to be replaced. It would not surprise Mr. Foley if it is necessary to retimber both shafts from top to bottom. The main shaft is 685 feet deep. Capt. Foley has no bersonal knowledge of the underground conditions of the mine, but he has been advised by men who worked there before operations were suspended that there is a slope of ore 150 feet high by 40 feet wide. It is a magnetite ore that will assay about 60 per cent. In Iron. The Empire mine, Cascade Range, at which work has been going on for the last two years, will soon be on the shipping list, Operations up to this time have been confined to the development of the mine, the erection of buildings and the installation of a complete new outfit of machinery. A track was extended to the property from the Chicago and Northwestern Railway Company's Cascade line some months ago, since which time the work at the Empire has progressed more rapidly than formerly. The mine is now well equipped with machinery, including a new ore crusher.

When operations were resumed John T. Johns of Iron Mountain and some Chicago capitalists were in control of it. They disposed of their interest some months ago to Oglebay, Norton & Co., who plan to operate the property on a fairly large scale. The superintendent has been directed to ship 50.000 tors of ore between now and the close of navigation.

Extraordinary activity in the building line is manifested in the Lake Superior Conner

the property on a fairly large scale. The superintendent has been directed to ship 50.000 tors of ore between now and the close of navigation.

Extraordinary activity in the building line is manifested in the Lake Superior Copper district this year. General construction work is heavy and the mining companies are doing a large amount of building. At the Winona nine work is progressing on twenty new dwelling houses for the use of the company's employees. At the Allouez mine work was recently started on twenty-five new dwellings for the use of employees of that property. It is expected that the Centennial will build twenty-five new houses for its workmen, the work to begin in a month or two.

At the Superior mine, in Section 15, work is under way on five dwellings. The Copper Range Consolidated Company, controlling the Baltic, Champion and Trimountain mines, also needs additional dwellings for the use of its employees and will erect several buildings at the Globe property, where it is developing the Baltic lode. At the Mohawk mine work on cleven new dwellings are nearing completion. They will be occupied by men employed by that company.

At the Keweenaw Copper Company's townsite known as Mandan, and near the principal scene of operations, the Medora mine, five new single houses, a schoolhouse and a residence for Supt. A. H. Sawyer are under construction. The Onibway Mining Company, recently organized, is preparing to erect thirty-five houses for the use of its employees. Work on the dwellings will not be started until fall. The Calumet and Hecla is erecting a large brick building for a pattern shop adjoining its new foundry in Calumet.

Capt. James Chynoweth, formerly superintendent of the Centennial and Allouez mines and largely responsible for their success, inspected the workings on the new indeed at the Lake Copper Company's property in Ontonagon county a few days ago.

"Whether it is the Baltic lode or not, said Capt. Chynoweth, "is too early to say, but it certainly possesses great value. Its width is tremen

WASHINGTON.

SEATTLE, Aug. 6.—A big ledge rich in copper and silver had been cut on the John Rainbough property near the Manilla group in the Keller district. At last accounts the full size of the ledge had not been determined, but it filled the face of the crosscut tunnel which was in 185 feet and had attained a depth approximating 100 feet.

At the Nonpareil Consolidated on Trout Creek, in Snohomish county, the work has been concentrated on a crosscut which is reaching out from the lower tunnel toward the large ledges of ore that have been opened up in the upper workings. The crosscut will tap the ore bodies at a depth of several hundred feet below the present exposed portions of the ledges and will greatly facilitate the work of handling the ore. The lower tunnel, which is about 400 feet long, will be used as the main working tunnel. The Nonparell group consists of more than thirty claims, and a good pony trail leads to the camp from the Sunset tram. Good camp buildings have been erected, trails have been opened to various parts of the property and several tunnels have been driven.

The "45" mine may become an early shipper as the result of the termination of litigation over that property. Some time ago the Pinkham crowd, who own this famous old mine, bonded it to what is known as the Magnus syndicate. When their office expired the owners tried to obtain possession of the property, but the Magnus poople refused to vacate. The Pinkhams took the matter into court and obtained an order dispossessing the offenders. Armed with this order, Deputy Sheriff Brown went to the mine last week and turned the property over to the Pinkhams, who, anticipating the result of the officer's visit, had a crew all ready to begin active operations. The manner in which work is being continued warrants the beieff that extensive ant permanent development of the mine has begun. It operates the longest wire tram in the North-west. WASHINGTON.

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company to ship 100 tons a day from this property as quickly as possible.

In another month at the most the new revolutionary furnace which is under construction by the Bunker Hill Mining and Smelting Company at Reiter, five miles west of Index, will be ready to begin operations. This plant is the first unit of a smelter which will expand to meet the demands of the future. It is a reproduction of what is considered the finest plant in the country, now in operation at Anaconda, Mon. An expansion of it will be simply an addition of further units. This plant will handle fifty tons of concentrates a day.

The owners of the Calumet mine in the Index district are driving a crosscut to reach a body of ore that outcrops heavily. The property is owned by Michigan people, has several hundred feet of tunnel and a 3,000 foot tram.

On the placer streams many men are working. One of the richest beds is that of Henry Damman and partner, where some pans go as high as \$20. An offer made for the property is being considered by the owners. company to ship 100 tons a day from this ALASKA.

SEATTLE, Aug. 6.—Several fine specimens of quartz, assaying over \$1,000 to the ton, were brought to Fairbanks from the Innoko by J. T. Smeaton, who has travelled extensively through the country since the first news of the strike caused him to stamped to the new diggings. The gold came from the claim of Mike Rockeley on Tom Gaines creek. Rockeley made the first location of quartz in the Innoko. He is down nine feet in a hole which maintains the immensely rich surface values as it deepens.

He is down nine feet in a hole which maintains the immensely rich surface values as it deepens.

The placer claim on Tom Gaines Creek upon which most development work is being done is taking out about \$40 to the shovel a day, and several others show prospects of turning out equally well when they are properly opened up.

Interest in the Innoko country shows no abatement in Fairbanks. The steamer Tana sailed on her second trip on Monday, carrying cargo and freight to the limit of her license. The Florence S. has just returned to Fairbanks and is chartered to suil again for Sinel City, enough business having already shown to assure the inancial success of the trip. The Luella is on her return from her first trip, and after a short run up the Kantishna River next week takes a big supply of food and mining supplies to the headwaters of the Innoko.

From one to four poiing boats are leaving every day, carrying on an average three men. Besides these, many men have announced their determination to go in during the winter when the trails will allow a fast trip with dog sleds.

A remarkable feature of the stampede

sleds.

A remarkable feature of the stampede is the fact that while about 2,000 men must have gone into the Innoko, not more than a dozen have returned dissatisfied with the country or its prospects.

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